CLAIMS.

1.   A system for generating pop-up windows for a computer system, the system comprising a means for implementation in combination with a development tool, the development tool accepting a set of input definition data having a format selected from SGML or XML, the input definition data comprising link definition data and content definition data, for implementation means comprising:

means for generating browser-readable content code based on the content definition data, the browser-readable content code being addressable by a pop-up content name,

means for identifying a pop-up specifier including a defined indicia, initially contained in the link definition data,

means for generating browser-readable link code based on the link definition data and comprising

invocable means for opening a pop-up window to display content derived from an browser-readable content definition, the browser-readable content definition being specified by an associated identifier, and

browser-readable means corresponding to the pop-up specifier and comprising an invocation of the invocable means such that the associated identifier is defined with reference to the pop-up content name.

2.   A computer program product for generating pop-up windows for a computer system, the program product including a computer readable medium tangibly embodying computer executable code for implementation in combination with a development tool, the development tool accepting a set of input definition data having a format selected from SGML or XML, the input definition data comprising link definition data and content definition data, the computer program product comprising:

computer executable code for generating browser-readable content code based on the content definition data, the browser-readable content code being addressable by a pop-up content name;

computer executable code for identifying a pop-up specifier including a defined indicia, initially contained in the link definition data; and,

computer executable code for generating browser-readable link code
based on the link definition data and including:

invocable code for opening a pop-up window to display content
derived from an browser-readable content definition, the browser-readable
content definition being specified by an associated identifier; and,

browser-readable code corresponding to the pop-up specifier and
including an invocation of the invocable code such that the associated
identifier is defined with reference to the pop-up content name.

3.   The computer program product of claim 2 wherein the browser-readable
code is HTML code.

4.   The computer program product of claim 2 or 3 wherein the invocable
code is an invocable routine and the associated identifier is a parameter
for the routine.

5.   The computer program product of claim 2, 3 or 4 wherein the
development tool includes means for generating first intermediate
browser-readable data based on the content definition data and second
intermediate browser-readable data based on the link definition data; and,

wherein the development tool passing the pop-up link definition from
the link definition data to the second intermediate browser-readable data.

6.   The computer program product of claim 5 further comprising a
post-processor including means for accepting the intermediate
browser-readable data as input.

7.   The computer program product of claim 5 wherein the computer
executable code for identifying the pop-up specifier including the defined
indicia includes computer executable code for scanning the second
intermediate browser-readable data to locate the defined indicia.

8.   The computer program product any of claims 2 to 7 wherein the
computer executable code is implemented within the development tool.

9.   The computer program product of any of claims 2 to 7 wherein the
input definition data is contained in a set of definition files.

10. The computer program product of any of claims 2 to 9 wherein the link definition data is contained in a link definition file.

11. The computer program product of any of claims 2 to 10 wherein the content definition data is contained in a content definition file.

12. The computer program product of any of claims 2 to 11 wherein each pop-up window being defined by a content definition being addressable by a corresponding pop-up content file name.

13. The computer program product of claim 12 wherein the content definition includes an HTML content file having a pop-up content file name.

14. The computer program product of claim 13 wherein the pop-up link specifier is a pop-up link definition, the defined indicia is a defined keyword, and the computer executable code for identifying the pop-up specifier including referring to a selected HTML content file.

15. The computer program product of claim 14 wherein the pop-up link definition includes the defined keyword in a set of defined keywords, each one of the set of defined keywords corresponds to one of a set of defined JavaScript function definitions, the pop-up link definition initially contained in the link definition file.

16. The computer program product of any of claims 2 to 15 wherein the browser-readable link code is an HTML output file.

17. The computer program product of any of claims 2 to 16 wherein the invocable code is a JavaScript function definition, and wherein the associated identifier is an identified parameter.

18. The computer program product of any of claims 2 to 17 wherein the selected JavaScript function corresponding the keyword included in the pop-up link definition.

19. The computer program product of any of claims 2 to 18 wherein the browser readable code is HTML code, and the pop-up specifier is the pop-up link definition.

20. The computer program product of any of claims 2 to 19 wherein the invocable code is a JavaScript function, and the invocation of the

invocable code is a call to the JavaScript function with the pop-up content file name of the selected HTML content file as the identified parameter.

21. The computer program product of any of claims 2 to 20 wherein the invocation of the invocable call is a call to a JavaScript function with the pop-up content file name as the identified parameter.

22. The computer program product of claim 5 wherein the development tool includes means for generating an intermediate HTML file based on the link definition file, the development tool passing the pop-up link definition from the link definition file to the intermediate HTML file, the post-processor accepting the intermediate HTML file as input.

23. The computer program product of claim 5 wherein the computer executable code for identifying the pop-up link definition includes computer executable code for scanning the intermediate HTML file to locate the defined keyword.

24. The computer program product of claim 5 wherein the computer executable code is implemented within the development tool.

25. The computer program product of claim 5 wherein the development tool includes means for generating a first intermediate HTML file based on the content definition file and a second intermediate HTML file based on the link definition file, the development tool passing the pop-up link definition from the link definition file to the second intermediate HTML file.

26. The computer program product of claim 25 further comprising a post-processor code for accepting the intermediate HTML files as input.

27. The computer program product of claim 5 wherein the computer executable code for identifying the pop-up link definition includes computer executable code for scanning the second intermediate HTML file to locate the defined keyword.

28. The computer program product of claim 5 wherein the development tool includes means for generating a first intermediate HTML file based on the content definition file and a second intermediate HTML file based on the link definition file, the development tool passing the pop-up link

definition from the link definition file to the second intermediate HTML
file.   :

29.   The computer program product of claim 28 further comprising a
post-processor code for accepting the intermediate HTML files as input.

30.   The computer program product of claim 5 wherein the computer
executable code for identifying the pop-up link definition includes
computer executable code for scanning the second intermediate HTML file to
locate any one of the set of defined keywords.

31.   A computer-implemented method for generating pop-up windows for a
computer system, the method comprising:

     accepting a set of definition files having a format selected from a
multiplicity of computer mark-up language formats, the definition files
including a link definition file and a content definition file;

     generating a display language content file based on the content
definition file, the display language content file having a pop-up content
file name;

     identifying a pop-up link definition including a defined keyword,
initially contained in the link definition file;

     generating a display language output file based on the link
definition file, said display language output file including:

     a function definition including code for opening a pop-up window to
display content derived from a display language file specified by an
identified parameter; and,

     a display language code corresponding to the pop-up link definition
and including a call to said function with said pop-up content file name
as the identified parameter.

32.   The computer-implemented method of claim 36 wherein:

     said multiplicity of computer mark-up languages is selectable from
an SGML format and an XML format;

     said display language content file is an HTML content file;

said display language output file is an HTML language output file;

said function definition is a JavaScript function definition;

said display language file is an HTML file; and,

said a display language code is HTML code.

33. The computer-implemented method of claim 30, 31 or 32 further comprising the steps of, after accepting the set of definition files:

generating a first intermediate display language code file based on the content definition file and a second intermediate display language code file based on the link definition file; and,

passing the pop-up link definition from the link definition file to the second intermediate display language code file;

wherein the step of generating an display language code content file includes:

accepting the first intermediate display language code file as input to generate the display language code content file; and,

generating an display language code output file including the step of accepting the second intermediate display language code file as input and processing that file to generate the display language code output file.

34. The computer-implemented method of claim 33 wherein the step of identifying the pop-up link definition includes the step of scanning the second intermediate display language code file to locate the defined keyword.

35. The computer-implemented method of any of claims 31 to 34 wherein the first intermediate display language code file is a first intermediate HTML file, the second intermediate display language code file is a second intermediate HTML file.

36. The computer-implemented method of any of claims 31 to 35 wherein the step of identifying the pop-up link definition includes referring to a selected HTML content file.

37.   The computer-implemented method of any of claims 31 to 36 wherein
the display language code corresponding to the pop-up link definition is
HTML code corresponding to the pop-up link definition and comprising a
call to the JavaScript function with the pop-up content file name of the
selected HTML content file as the identified parameter.

38.   The computer-implemented method of any of claims 31 to 37 further
comprising the steps of, after accepting the set of definition files:

       generating an intermediate HTML file based on the link definition
file; and,

       passing the pop-up link definition from the link definition file to
the intermediate HTML file;

       wherein the step of generating an HTML output file includes the step
of accepting the second intermediate HTML file as input and processing
that file to generate the HTML output file.

39.   The computer-implemented method of any of claims 31 to 38 wherein
the step of identifying the pop-up link definition includes the step of
scanning the intermediate HTML file to locate the defined keyword.

40.   A computer program product for generating pop-up windows for a
computer system, each pop-up window being defined by a content definition
being addressable by a pop-up content name, the computer program product
having a computer readable medium tangibly embodying computer executable
code for implementation in combination with a development tool, the
development tool accepting a set of input definition data having a format
selected from SGML or XML, the input definition data including link
definition data and content definition data, the computer program product
comprising:

       computer executable code for identifying a pop-up specifier
including a defined indicia, initially contained in the link definition
data; and,

       computer executable code for generating browser-readable link code
based on the link definition data and including:

invocable code for opening a pop-up window to display content derived from a selected content definition specified by an associated identifier; and,

browser-readable code corresponding to the pop-up specifier and comprising an invocation of the invocable code such that the associated identifier is defined with reference to the pop-up content name for addressing the selected content definition.

41. The computer program product of claim 40 in which the browser-readable code is HTML code.

42. The computer program product of claim 40 or 41 in which the invocable code is an invocable routine and the associated identifier is a parameter for the routine.

43. The computer program product of claim 40, 41 or 42 in which the computer readable program code means comprises a post-processor, the development tool comprising means for generating intermediate browser-readable data based on the link definition data, the development tool passing the pop-up link definition from the link definition data to the intermediate browser-readable data, the post-processor accepting the intermediate browser-readable data as input.

44. The computer program product of claim 43 in which the code means for identifying a pop-up specifier including a defined indicia comprises code means for scanning the intermediate browser-readable data to locate the defined indicia.

45. The computer program product of any of claims 41 to 44 in which the computer readable program code means is implemented within the development tool.